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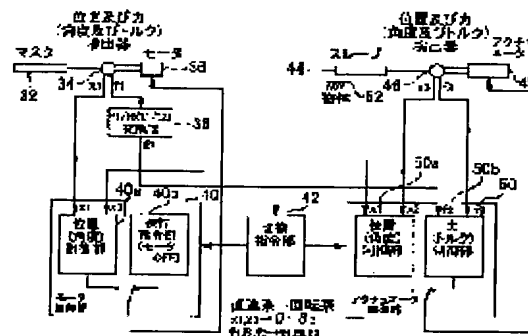
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(54) MASTER AND SLAVE DEVICE, CONTROL METHOD AND COMPUTER PROGRAM

(57)Abstract:

PROBLEM TO BE SOLVED: To avoid the demerits of a bilateral method such as complication of a control system, a rise in the cost and the generation of phase lag, and to realize the appropriate control system considering the necessity of compensating the inertia force and friction force of a slave side device, while maintaining the merits of the bilateral method that inner force sense and tactile sense can be presented to an operator of a master side device.

SOLUTION: This master and slave device has the master side device to be operated by an operator and the slave side device to be operated in response to the operation of the master side device by the operator. In the condition that the slave side device contacts with an article, the force f_1 to be applied to the master side device by the operation by the operator is obtained, and the slave side device is controlled so that the force f_3 to be applied to the slave side device follows the force f_2 corresponding to the force f_1 .



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